

Town of Prescott Valley

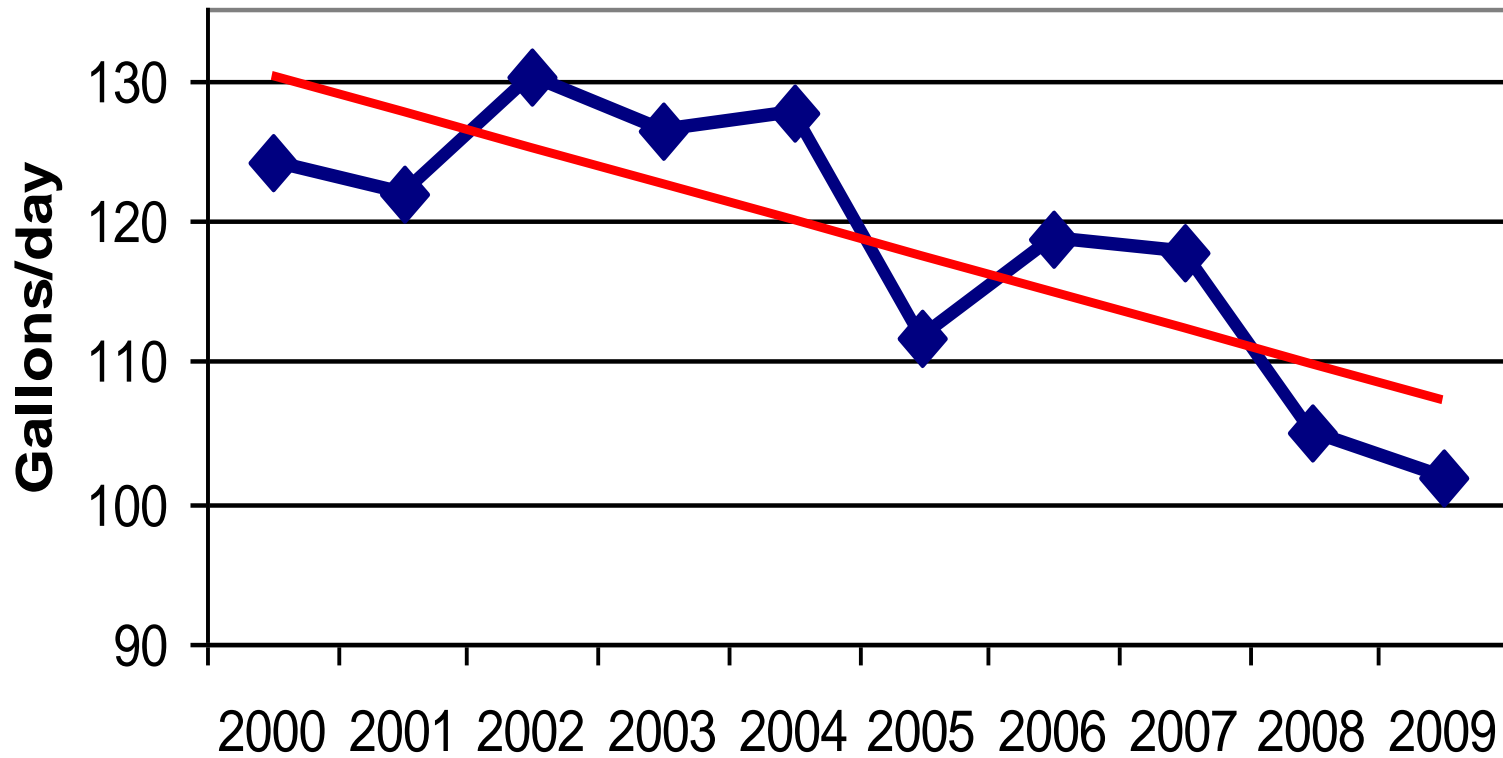


Water Conservation
John Munderloh
Water Resources Manager

Outline

- Current Conditions
- Water Conservation Programs
- Lessons Learned

Town of Prescott Valley Per-capita Water Use

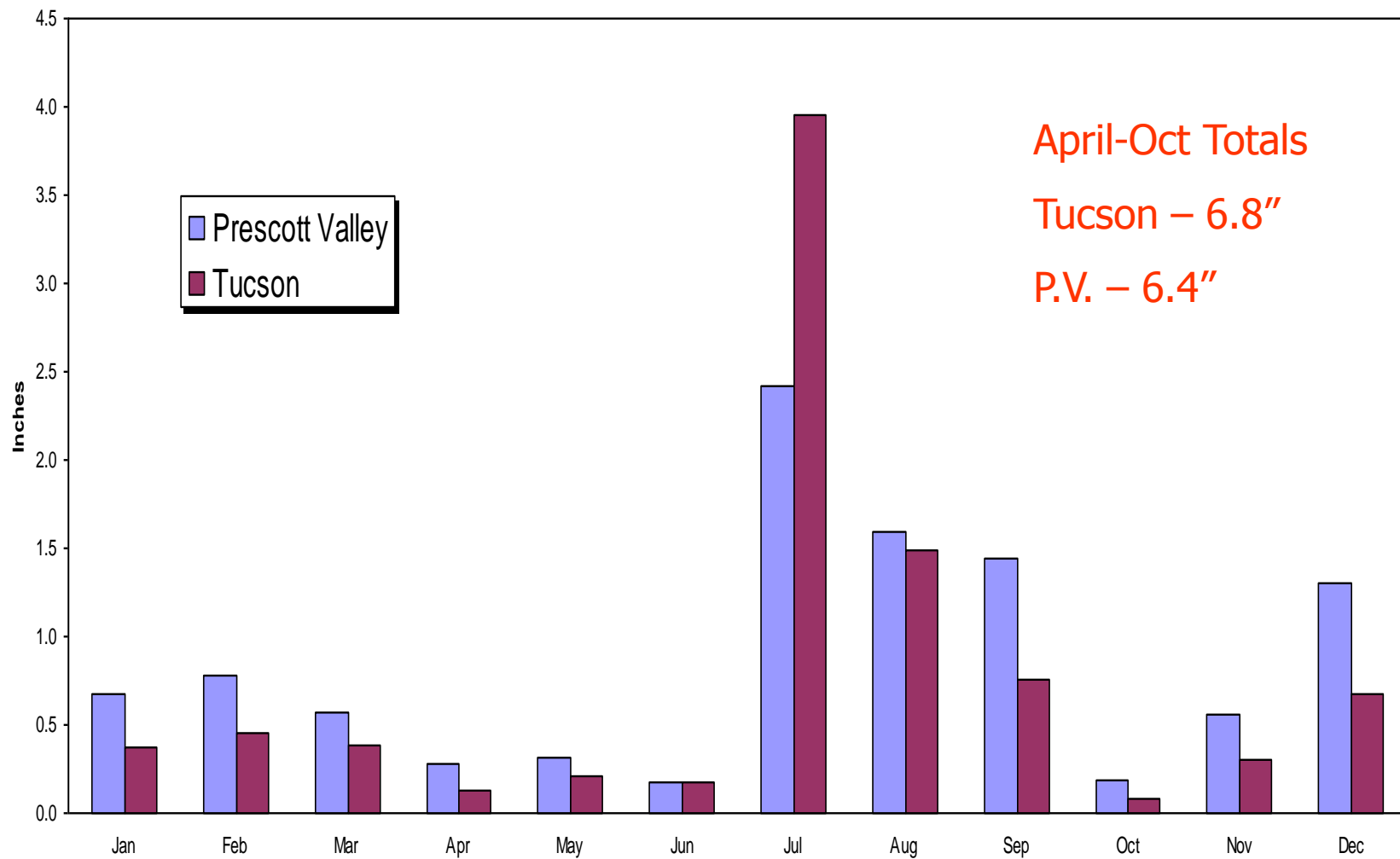


GPCD Calculation

- 102 GPCD Includes
 - all water users (commercial, residential, etc)
 - all water sources
 - lost and unaccounted water
 - excludes the golf course (effluent – if included increases GPCD to 108)
- Residential deliveries only = 70 GPCD
 - Indoor = 58 GPCD
 - Outdoor = 12 GPCD



Average Precip 2006-2009



Prescott Valley

Main Water Conservation Programs

- Inverted Rate Structure
- Outreach & Education
- Government should be the example
 - Low-water use features at Town parks and other facilities
 - Aggressive leak repairs, meter replacement, service line replacement
- Citizens with positive attitude (and many who don't want to mow another blade of grass)



Just Lucky

- 60% of homes built since Uniform Plumbing Code adopted
- Smaller lots limit landscape area (10,000 square feet)
- ~18% of dwellings units are multi-family

Town does not have

- water conservation ordinances/restrictions
- rebate/credit programs
- turf removal programs
- Etc.

Future

- Market pricing for water will drive conservation
 - “Wet” water system is operated as an enterprise (no subsidies)
 - Assured Water Supplies (“Paper” water) are priced according to market value
- Regulation - probably not

Lessons Learned

- Community opinion and demographics matter
 - The Donut Hole
 - Attitude toward regulation and subsidies
 - Response to inverted rates (e.g. median household income in PV is 80% of state median)
- Develop a cost/benefits master plan
 - Scientific analysis (Keith Larson & Assoc.)
 - Focus on proven methods
 - Try new ideas in “pilot” scale tests
- Poor economy can open doors
 - Parks department looking for ways to save money